Notice of Allowability	Application No.	Applicant(s)	
	10/660,705	HISAKA, TAKAYUKI	
	Examiner	Art Unit	
	Cuong Q Nguyen	2811	
The MAILING DATE of this communication apperation apperation allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to			
2. The allowed claim(s) is/are 1,2,4,5 and 10.			
3. \boxtimes The drawings filed on <u>12 September 2003</u> are accepted by	the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b)			
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 09-12-03 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 7. ☑ Examiner's Amendr 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), te ment/Comment	,
		CUONG NGUYE PRIMARY EXAMIN	N JER

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DETAILED ACTION

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Claims 3, 6, 7, 8 and 9 have been canceled due to election without traverse filed on 09-27-04.

Reason for Allowance

- 2. Claims 1, 2, 4, 5 and 10 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: Prior art do not teach or render obvious a semiconductor device has an arrangement as claimed in claim 1; specially the semiconductor device includes "a first layer having a narrower band gap than the Schottky layer, the first layer being disposed within the Schottky layer; a second layer having a band discontinuity with the Schottky layer, the second layer being disposed within the Schottky layer, on the first layer".
- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Papers related to this application may be submitted to Technology center (TC) 2800 by facsimile transmission. Papers should be faxed to TC 2800 via the

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TC 2800 Fax center located in Crystal Plaza 4, room 4-C23. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The Group 2811 Fax Center number is (703) 872-9306. The Group 2811 Fax Center is to be used only for papers related to Group 2811

The Group 2611 Fax Center is to be used only for papers related to Group 2611

applications.

6. Any inquiry concerning this communication or any earlier communication from the Examiner should be directed to CUONG Q NGUYEN whose telephone number is (571) 272-1661. The Examiner is in the Office generally between the hours of 6:30 AM to 5:00 PM (Eastern Standard Time) Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eddie Lee, can be reached on (571) 2721732

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Cuong Nguyen

Primary examiner

December 9, 2004